

What is claimed is:

1. A LCD monitor, comprising:

A panel module having a gate driver and a source driver;

A control board disposed on a first side of the panel module,
comprising:

An input interface for receiving plural types of video signals, adapted to select a first-type video signal from the plural types of video signals and generate a first digital video signal according to the first-type video signal;

A scaler module, comprising a time control unit, and is provided to receive the first digital video signal; and

A micro-processing device, adapted to output a first control signal that controls the scaler module to generate a gate/source-driving signal for the gate driver and the source driver according to the first digital video signal;

A frame structure, covering the periphery of the panel module; and

A cover structure conjugating the frame structure in the aspect of the first side, and covering upon the first side of the panel module and the control board thereon.

2. The LCD monitor of claim 1, wherein the plural types of video signals further comprise an EDID signal, and the control board further comprises a memory device for storing the EDID signal.

3. The LCD monitor of claim 1, wherein the first-type video signal is provided from a computer, and the first digital signal comprises RGB signals.

1 4.The LCD monitor of claim 3, wherein the input interface
2 comprises an A/D converter.

1 5.The LCD monitor of claim 4, wherein the input interface
2 is further adapted to select a second-type video signal from
3 the plural types of video signals, and generate a second
4 digital video signal according to the second-type video signal
5 to the scaler module, and the micro-processing device outputs
6 a corresponding second control signal that controls the scaler
7 module to generate the gate/source-driving signal according
8 to the second digital video signal, wherein the second-type
9 video signal is from a video device.

1 6.The LCD monitor of claim 5, further comprising a
2 switching board that is adapted to provide a switching signal
3 to the scaler module, whereby adjusting the gate/source-
4 driving signal and regulating the performance of pictures
5 displayed on the panel module.

1 7.The LCD monitor of claim 6, further comprising a power
2 module for supplying electric power to the LCD monitor.

1 8.The LCD monitor of claim 7, wherein the power module
2 comprises an AC/DC adapter for converting an alternating
3 current source into at least one direct current source,
4 wherein the direct current source is adapted to supply the LCD
5 monitor direct currents.

1 9.The LCD monitor of claim 8, wherein the AC/DC adapter is
2 disposed on the control board.

2001-1-12

Our Ref. No.: 0684-5591us/Final/Leo

- 1 10.The LCD monitor of claim 9, wherein the cover structure
- 2 is fabricated from materials for resisting electromagnetic
- 3 effects.

0684-5591us/Final/Leo